



# Continuing Dental Education 1993-94

Advanced Osseointegration Implant Techniques  
Advanced Prosthodontics  
Clinical Pharmacology and Oral Medicine  
Dental Implant Laboratory Technique Course for  
Dental Technicians  
Dental Quality Assurance  
Diagnosis and Treatment Strategies in Occlusion  
Endodontics  
General Dentistry Treatment Planning  
General Prosthodontics  
Nitrous Oxide and Oxygen Sedation  
Operative Dentistry  
Oral Diagnosis/Oral Medicine/Oral Radiology  
Oral Pathology  
Oral and Maxillofacial Surgery  
Pediatric Dentistry and Orthodontics for the  
General Dentist  
Periodontics  
Recruit to Retiree: Maintaining Dental Health  
Temporomandibular Disorders

Review Courses for Board Examinations  
General Dentistry (Written)  
Oral Medicine (Orals)  
Oral and Maxillofacial Surgery (Orals)  
Prosthodontics (Phase II)  
Periodontics (Orals)

**National Naval Dental Center  
Bethesda, Maryland 20889-5602**



# Courses and Dates

## 1993

TEMPOROMANDIBULAR DISORDERS	
October 4-8 .....	3
OPERATIVE DENTISTRY	
October 18-22 .....	4
GENERAL DENTISTRY TREATMENT PLANNING	
October 25-28 .....	5
DENTAL QUALITY ASSURANCE	
November 1-5 .....	6
NITROUS OXIDE AND OXYGEN SEDATION	
Nov 15-17 .....	7
REVIEW FOR FEDERAL SERVICES BOARD OF GENERAL DENTISTRY (WRITTEN)	
December 6-10 .....	8
CLINICAL PHARMACOLOGY AND ORAL MEDICINE	
December 13-16 .....	9

## 1994

REVIEW FOR THE PERIODONTICS BOARD EXAMINATION (ORALS)	
January 3-5 .....	10
PERIODONTICS	
January 24-27 .....	10
ORAL PATHOLOGY	
January 31 - February 4 .....	11
REVIEW FOR ORAL AND MAXILLOFACIAL SURGERY BOARD EXAMINATION (ORALS)	
February 5 and 7-11 .....	12
ENDODONTICS	
February 14-18 .....	13

REVIEW FOR THE ORAL MEDICINE BOARD EXAMINATION (ORALS)	
February 24-25 .....	14
GENERAL PROSTHODONTICS	
February 28 - March 4 .....	15
DIAGNOSIS AND TREATMENT STRATEGIES IN OCCLUSION	
March 21-25 .....	15
ORAL AND MAXILLOFACIAL SURGERY	
April 4-7 .....	16
ORAL DIAGNOSIS/ORAL MEDICINE/ORAL RADIOLOGY	
April 11-15 .....	17
ADVANCED PROSTHODONTICS	
April 18-21 .....	18
ADVANCED OSSEOINTEGRATION IMPLANT TECHNIQUES	
April 25-27 .....	18
RECRUIT TO RETIREE: MAINTAINING DENTAL HEALTH	
May 2-5 .....	19
PEDIATRIC DENTISTRY AND ORTHODONTICS FOR THE GENERAL DENTIST	
May 9-12 .....	20
REVIEW FOR PROSTHODONTIC BOARD EXAMINATION (PHASE II)	
May 16-18 .....	21
DENTAL IMPLANT LABORATORY TECHNIQUE COURSE FOR DENTAL TECHNICIANS	
May 23-25 .....	22

## **ELIGIBILITY**

Courses are open to dental officers of the Armed Forces and dentists affiliated with Federal agencies. Applications from civilian dentists are considered on a space-available basis, with priority given to military and Federal agency dentists. Some courses have specific enrollment restrictions (see eligibility listing for each course).

## **ENROLLMENT PROCEDURES**

All requests for enrollment, as well as cancellations, must be made through the Naval Dental School's Continuing Education Office either by telephone or in writing.

Telephone requests should be made between the hours of 0730 and 1600 eastern standard time to:

**DSN 295-0205 or Commercial (301) 295-0205**

Written requests should include applicant's address and telephone number addressed to:

**Commanding Officer (Code 411B)  
National Naval Dental Center  
8901 Wisconsin Avenue  
Bethesda, Maryland 20889-5602**

Due to the extremely high demand for enrollment in these courses, military and Federal agency dentists should apply as soon as possible. Enrollment for civilian dentists is extremely limited. Some requests will be placed on a waiting list and notification of acceptance will be made if space becomes available.

If you need to **cancel** your enrollment in a course, we must be notified as soon as possible so that the vacancy may be reassigned to someone else.

## **FUNDING SUPPORT**

Naval dental officers on active duty in BUMED activities apply to your local command.

Naval dental officers in non-BUMED activities contact Commanding Officer (Code 2DC), Naval Health Sciences Education and Training Command, National Naval Medical Center, Bethesda, Maryland 20889-5612, or call Autovon 295-0650 or commercial (301)295-0650.

Members of the other Services should apply for funding through their proper channels.

## **GENERAL INFORMATION**

All continuing education courses begin promptly at 0730 in Classroom A of the Naval Dental School on the third floor of Building 1 and are held from 0730 to 1600 every day. A 1-hour lunch break is usually scheduled from 1200 to 1300. Sessions past 1600 may be scheduled at the discretion of the course directors and will be announced at the beginning of the course. The Naval Dental School library on the third floor of Building 1 is open from 0630 to 2200 Monday through Friday and is available for use when course instruction is not scheduled. Lodging and other pertinent information will be made available through the Welcome Aboard letter that will be mailed to enrollees approximately 6 weeks before the course begins. Parking is extremely limited and enrollees are encouraged to utilize the Metrorail system or alternate means whenever possible. The United States Navy Dental

Corps is designated as a nationally approved sponsor by the Academy of General Dentistry. The formal continuing education programs of this sponsor are accredited by AGD for Fellowship, Mastership, and membership maintenance credit. The current term of approval extends from December 18, 1992, to December 31, 1996. In order to receive credit, you must attend all sessions of the course. Course hours will be divided into participation and/or lecture credit based on the nature of the course.

Each course includes a 1-hour lecture on a military topic.

### **METHOD OF INSTRUCTION**

Lectures are the primary method of instruction. However, most courses also require *participation* in small groups and laboratory and clinical exercises.

For further information, telephone DSN 295-0205 or commercial (301) 295-0205 between the hours of 0730 and 1600.

Military lodging information:

**BOQ, DSN 295-5855 or (301) 295-5855**

**Navy Lodge, (301) 654-1795 or 1-800-NavyInn**

## TEMPOROMANDIBULAR DISORDERS

October 4-8, 1993

Quota: 30

Director:

*Commander AD Ehrlich, DC, USN; BS, DDS, MS  
Chairman, Temporomandibular Disorders Department  
Diplomate, Federal Services Board of General Dentistry  
Fellowship (Craniofacial Pain)*

**Eligibility:** Federal agency dentists only. Proficiency in centric manipulation and an understanding of masticatory anatomy and the fundamentals of occlusion are prerequisites for this course. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** This advanced course will provide clinicians with practical guidelines for the initial evaluation and conservative management of patients with temporomandibular disorders (TMDs) and orofacial pain. The course follows the guidelines of the Academy of Orofacial Pain, which define TMD as a collective term embracing a number of clinical problems that involve the masticatory musculature, the temporomandibular joint (TMJ) and associated structures, or both. Signs, symptoms, TMJ anatomy, and parafunction/dysfunction of the masticatory system and the complex etiology of these disorders will be discussed. Methods of obtaining an operator-guided medical and dental history will be reviewed, and the procedure for conducting a thorough clinical examination will be demonstrated. Emphasis will be placed on differentiating between dysfunctions caused by joint pathology and those caused by muscle disorders. Other disorders that may cause nondental pain in the orofacial region will be discussed. Basic therapeutic measures, including physiotherapy, psychotherapy, pharmacology, and occlusal and surgical management, will be presented to deal with specific articular and nonarticular disorders. Practical clinical application of this information will be emphasized, with participants systematically examining each other. Indications for use and fabrication techniques for an anterior deprogrammer, flat-plane stabilization splint, and anterior repositioning splint will be reviewed. Each participant will fabricate and deliver a stabilization splint. The course will conclude with a panel discussion responding to questions from participants. Participants are to bring with them accurate casts of their own dentition mounted in centric relation on a semiadjustable articulator.

**Anticipated Learning Outcomes:** *After completing this course, you should be able to*

- recognize the scope of the problem of properly managing patients with TMDs within the resources of the Medical Department
- discuss the terminology and concepts used in the management of TMDs
- understand normal and pathologic functions of the masticatory system
- evaluate the medical and dental history, and identify pertinent information
- systematically examine the masticatory system of a patient, and accurately assess the joints, muscles, occlusion, and associated structures
- understand how to utilize screening and more advanced TMJ imaging, and determine when each is appropriate
- recognize the psychological component of TMDs and chronic pain, and know where to refer the patient for appropriate care
- understand how occlusion relates to the etiology and management of TMD
- prescribe dental, psychological, pharmacological, and physical therapy appropriate for specific TMDs



- fabricate and deliver a stabilization splint, and understand the rationale for its use
- understand how to fabricate an anterior deprogramming and repositioning appliance, and understand its therapeutic rationale
- understand the team approach in managing TMD patients, and recognize when to refer the patient to dental, medical, and paramedical colleagues
- evaluate, diagnose, and formulate a conservative treatment plan for the TMD patient

**Continuing Education Credit: Max hrs 35, AGD Subj Code 182**

## **OPERATIVE DENTISTRY**

**October 18-22, 1993**

**Quota: 50**

**Directors:**

*Captain HA St. Germain, DC, USN; BA, DMD, MSD, MEd  
Chairman, Operative Dentistry Department  
Certified, American Board of Operative Dentistry*

*Commander JC Meiers, DC, USN; BA, DMD, MS  
Director, Materials Testing and Evaluation, Research Department*

**Eligibility:** Federal agency dentists only. Applicants should have at least 3 years of general practice experience. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** This advanced restorative dentistry course is designed to update the general practitioner in the clinical application of modern restorative materials and esthetic dentistry treatment considerations. Among the subjects covered will be bases, liners, and cements; tooth-colored restorative materials; visible light-curing units; complex amalgam alloy restorations; esthetic contouring; vital bleaching; direct/indirect veneers; periodontal restorative interrelationships; electrosurgery; and posterior esthetic restorations. Assuming a basis of at least 3 years general dentistry practice, the course presents new developments in restorative materials and their clinical applications. A laboratory session on electrosurgical techniques will be conducted as well as table clinics designed to provide hands-on experience in restorative dental materials. A preventive, conservative, and integrated disciplinary approach to restorative dentistry is stressed.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- discuss the clinical applications and manipulation of bases, liners, and cements
- describe conservative and complex cavity preparations for dental amalgam
- discuss the techniques for the use of electrosurgery in restorative dentistry
- explain the clinical criteria for the selection and placement of posterior esthetic restorations
- describe the materials and clinical techniques for anterior composite resins
- describe the clinical techniques for the placement of glass-ionomer cement and dentin-bonding agents
- describe the clinical techniques and selection of materials for placement of direct and indirect veneers
- discuss the relationship between restorative dentistry and healthy periodontal supporting tissues



- describe the clinical techniques and selection of materials for esthetic contouring and vital bleaching
- explain the hydrodynamic theory of dentin sensitivity and relate this to pulpal effects of restorative dentistry procedures
- describe the clinical symptoms of cracked-tooth syndrome and recommend definitive treatment approaches to this problem
- describe materials and clinical procedures to repair gold castings using direct gold
- discuss the armamentarium and clinical procedures for rubber dam isolation of the operative field
- discuss common problems and solutions encountered with veneer restorations

**Continuing Education Credit: Max hrs 35, AGD Subj Code 250**

## **GENERAL DENTISTRY TREATMENT PLANNING**

**October 25-28, 1993**

**Quota: 32**

Director:

*Captain DR Fitch, DC, USN; DDS, FAGD  
Comprehensive Dentistry Department  
Diplomate, Federal Services Board of General Dentistry*

**Eligibility:** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** This innovative 4-day course is designed primarily for the general practitioner who is interested in comprehensive treatment planning. It links the dental specialties in a multidisciplinary approach to treatment-planning concepts and practices. The course is divided into two parts. The first part reviews current preventive, diagnostic, and restorative techniques and materials and their impact on the treatment-planning process. The second part allows groups of participants to develop and present for group discussion, treatment plans for selected cases requiring a multidisciplinary treatment-planning approach.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- properly request and evaluate consultations to and from other departments
- discuss current preventive, diagnostic, and restorative techniques and materials
- construct and judge treatment plans to ensure that all phases of dentistry are integrated and that a total patient approach has been followed

**Continuing Education Credit: Max hrs 28, AGD Subj Code 735**

## DENTAL QUALITY ASSURANCE

November 1-5, 1993

Quota: 50

### Directors:

*Captain LJ Dermody, DC, USNR; BS, DDS, JD*

*Program Manager, Dental Quality Assurance/Risk Management and Credentialing/Privileging Program,  
Bureau of Medicine and Surgery, Washington, DC*

*Commander DL Grochmal, DC, USN; BS, DDS, MPH*

*Director, Support Services, National Naval Dental Center*

*Chairman, Preventive Dentistry Department, Naval Dental School*

*Diplomate, American Board of Dental Public Health*

**Eligibility:** Active duty Navy only.

**Course Summary:** Participants will explore methods of assuring high-quality dental services in dental clinical care settings. Experts in the field of quality assurance will discuss issues at all levels of the Navy Medical Department. Officers from the field will share their experiences and solutions to problems encountered in developing and administering the quality assurance/risk management and credential/privileging programs at their commands. Subject matter authorities will also enumerate the nexus between quality assurance and the credential/privileging programs as it relates to command functions and individual providers. This course is designed for all dental officers interested in implementing an effective quality assurance program in their specific professional setting. It will emphasize the science of quality assurance and state-of-the-art methods available to monitor and evaluate the quality and appropriateness of dental care services. This course will differ from past courses in that it will include workshops on quality assurance and credentialing and privileging topics.

Course participants should bring the following items to the course:

- A. A copy of their command's
  1. FY92 Management Information Report
  2. last QA minutes
  3. FY92 QA Plan
  4. most recent QA instruction
- B. Two blank formatted 3 1/2 inch disks

All documents produced during workshops will be made available to those course participants who bring blank 3 1/2 inch formatted computer disks.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- administer the peer review process
- design and manage effective dental record and drug reviews
- monitor effective infection control programs
- implement a credentials review and privileging process

- provide fair and effective management of the impaired provider
- survey patient satisfaction
- identify data sources, methods of measurement, thresholds for action, and standards for quality assurance monitors
- discuss occurrence screens and focused reviews
- evaluate effective patient education and informed consent activities
- document quality assurance activities

**At the completion of the workshop, participants should have**

1. a FY94 QA plan framework
2. a QA minutes format
3. a FY94 QA instruction framework
4. a supplemental privilege criteria reference
5. identified FY 94 occurrence screens
6. identified FY 94 management variances

**Continuing Education Credit: Max hrs 35, AGD Subj Code 550**

## **NITROUS OXIDE AND OXYGEN SEDATION**

**Nov 15-17, 1993**

**Quota: 34**

**Director:**

*Commander CA Bookwalter, DC, USN; BA, DDS, MS;  
Chairman, Pediatric Dentistry Department  
Diplomate, American Board of Pediatric Dentistry*

**Eligibility:** Active duty Navy only.

**Course Summary:** This 3-day course is designed for the active duty member to qualify for privileges to use nitrous oxide and oxygen sedation. Following the ADA guidelines for the teaching of conscious sedation, the participants will review the spectrum of sedation and respiratory anatomy and physiology. With a sound background in pharmacology and indications/ contraindications and management of complications, the participants will gain hands-on experience using nitrous oxide and oxygen. The safety of the working environment will be stressed.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- describe the anatomy and physiology of the respiratory, cardiovascular, and central nervous systems as they relate to the effects of drugs used for conscious sedation
- describe the pharmacologic effects of drugs used for conscious sedation
- describe the methods of obtaining a medical history and do an appropriate physical examination of a dental patient
- apply these methods clinically in order to obtain an accurate evaluation of the dental patient

- use this information clinically for risk assessment
- choose the most appropriate technique of conscious sedation for the individual dental patient
- discuss physiologic monitoring and the equipment used in such monitoring
- describe the basic components of inhalation sedation equipment
- discuss the function of each of the basic components of inhalation sedation equipment
- list and discuss the indications and contraindications for the use of nitrous oxide-oxygen inhalation sedation
- list the complications associated with nitrous oxide-oxygen inhalation sedation
- discuss the prevention, recognition, and management of these complications
- administer nitrous oxide-oxygen inhalation sedation to patients in a clinical setting in a safe and effective manner

**Continuing Education Credit: Max hrs 21, AGD Subj Code 132**

## **REVIEW FOR FEDERAL SERVICES BOARD OF GENERAL DENTISTRY (WRITTEN)**

**December 6-10, 1993**

**Quota: 60**

Director:

*Captain LF Hellman, DC, USN; BS, DDS  
Chairman, Comprehensive Dentistry Department  
Diplomate, Federal Services Board of General Dentistry*

**Eligibility:** Federal agency dentists taking the written portion of the Federal Services Board of General Dentistry Examination in spring 1994.

**Course Summary:** This course helps prepare the participant for the written Board examination for the Federal Services Board of General Dentistry. Current concepts in dental materials, endodontics, fixed and removable prosthodontics, operative dentistry, oral medicine, oral pathology, oral surgery, orthodontics, pediatric dentistry, and periodontics will be reviewed. Debriefings from previous written examinations will be used to determine course content. The course will consist of 5 days of didactic review. The nature of this course is such that only candidates eligible for either the written or oral portion of the Federal Services Board should apply. Priority for enrollment will be given to officers who will be taking the written examination. Officers who will be taking the oral examination will be placed on a "stand-by" list and will be notified of their status approximately 1 month prior to the beginning of the course.

**Anticipated Learning Outcomes:** After completing this review, you should be able to

- focus your study efforts and identify weak areas in preparation for the Federal Services Board of General Dentistry written examination
- discuss current concepts in general dentistry and their clinical applications

**Continuing Education Credit: Max hrs 35**

## CLINICAL PHARMACOLOGY AND ORAL MEDICINE

December 13-16, 1993

Quota: 50

Director:

*Commander GD Naylor, DC, USN; BS, DDS  
Oral Diagnosis Department  
Diplomate, American Board of Oral Medicine*

**Eligibility:** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** Lectures will cover the pharmacodynamics, pharmacokinetics, and principles of pharmacology of the major drug groups as they pertain to clinical dentistry. Topics of discussion will include anxiolytic agents, analgesics, local anesthetic agents, the rationale for using antimicrobial agents in dentistry, and pharmacotherapeutic management of oral diseases. Special attention will be directed to patients with medical problems. The course will consider specific drugs taken by the medically compromised patient and the potential actions/interactions of these drugs with those routinely used in dental procedures. The participants will be prepared to prescribe agents for maximum benefit and to recognize the clinical ramifications of concomitant drug therapy.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- relate drug action to route of administration and the unique characteristics of specific drug classes
- employ a multidrug approach to pain management; i.e., anxiolytic agents, local anesthetic agents, and centrally and peripherally acting analgesic agents
- select the appropriate antibiotic regimen for prophylaxis and/or dental infection
- recognize and manage common oral lesions
- modify dental management of a patient based on an understanding of the patient's medical problem and the medications used to manage the problem

**Continuing Education Credit:** Max hrs 28, AGD Subj Code 016

## REVIEW FOR THE PERIODONTICS BOARD EXAMINATION (ORALS)

**January 3-5, 1994**

**Quota: 9**

Director:

*Captain HJ Towle, DC, USN; BS, DDS  
Chairman, Periodontics Department  
Diplomate, American Board of Periodontology*

**Eligibility:** Federal agency dentists taking the Periodontics Board Examination (Orals) in 1994.

**Course Summary:** This course will help Board-eligible candidates prepare for the comprehensive oral examination by having candidates present and defend cases. Candidates should bring two cases that they intend to present to the Board. There will be two oral examinations (one for each case) of approximately 1.5 hours each using examiner teams consisting of two Diplomates of the American Board of Periodontics. Examinations will consist of these components:

1. Verbal and visual case report presentation by the candidate without interruption by the examiners (20 minutes maximum).
2. Discussion and defense of the case report and examination on patient management (1 hour 10 minutes).

After each examination, the examiners will critique case documentation and verbal presentation, as well as the candidates approach to and performance during the examination.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- demonstrate strategies and skills in taking a comprehensive oral examination
- present and defend Board cases successfully

**Continuing Education Credit:** Max hrs 21, AGD Subj Code 490

## PERIODONTICS

**January 24-27, 1994**

**Quota: 40**

Director:

*Captain HJ Towle., DC, USN; BS, DDS  
Chairman, Periodontics Department  
Diplomate, American Board of Periodontology*

**Eligibility:** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** This course will provide current, practical information that will enhance the ability of the practicing dentist to provide comprehensive dental health service to the periodontal patient. Presentations on state-of-the-art periodontics will be addressed to general practitioners and specialists involved in the prevention and treatment of periodontal disease. This course will cover such topics as the periodontium in health and disease; diagnosis, prognosis, and treatment planning; osseointegrated dental implants; principles of periodontal surgery; management of osseous defects; soft tissue surgery; chemotherapeutics; early onset periodontitis; periodontal maintenance; the interrelationship of periodontics and restorative dentistry; and the interrelationship of periodontics and endodontics. A laboratory exercise on periodontal surgery for the general practitioner will also be given.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- describe the periodontium in health and disease
- formulate and describe the various components of a periodontal treatment plan
- understand the principles of periodontal surgery
- describe the techniques and principles involved in the use of osseointegrated dental implants
- discuss the use of various periodontal therapeutic modalities to manage periodontal osseous defects
- describe various periodontal surgical procedures used to manage soft tissue
- discuss the use of chemotherapeutics in periodontics
- describe early onset periodontitis as separate disease entities
- explain the clinical importance of the periodontic/prosthetic/endodontic interrelationship
- manage the maintenance of the treated periodontal patient to ensure successful long-term results

**Continuing Education Credit:** Max hrs 28, AGD Subj Code 490

## ORAL PATHOLOGY

**January 31 - February 4, 1994**

**Quota: 50**

**Director:**

*Captain FJ Kratochvil, DC, USN; DDS  
Chairman, Oral Pathology Department  
Diplomate, American Board of Oral Pathology*

**Eligibility:** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** This course will provide a review and update of the local and systemic diseases that affect the oral and paraoral tissues. The etiology, pathogenesis, clinical and radiographic appearance, treatment, and histopathology of these diseases will be discussed. Emphasis will be given to the development of a meaningful clinical differential diagnosis and effective two-way communication between the clinician and oral pathologist. This course covers the five major categories of disease: developmental, inflammatory, metabolic, neoplastic, and



miscellaneous. Several of the many topics that will be discussed include odontogenic cysts and tumors, infectious and granulomatous disease, syndromes of the head and neck, and oral premalignancy and carcinoma. The class participants will be divided into smaller groups for the three clinicopathologic conferences, and during these conferences, cases from the different categories of disease will be presented and informally discussed.

***Anticipated Learning Outcomes:*** After completing this course, you should be able to

- list five major categories of disease and give examples from each category
- develop a differential diagnosis for clinical lesions
- correlate clinical features of disease with tissue changes
- explain the significance of color, shape, and texture in the diagnosis of a lesion
- use appropriate terms to communicate with the oral pathologist
- explain the importance of data collection and radiographs in the diagnosis of lesions
- understand the operation of and effectively use the Navy's Oral Pathology Biopsy Service

**Continuing Education Credit:** Max hrs 35, AGD Subj Code 015

## **REVIEW FOR ORAL AND MAXILLOFACIAL SURGERY BOARD EXAMINATION (ORALS)**

**February 5, 1994 - Mock Oral Board      Quota: 10**  
**(Active duty Navy only)**

**February 7-11, 1994 - Lectures/study sessions      Quota: 50**

**Director:**

*Captain DP Golden, DC, USN; DDS*  
*Chairman, Oral and Maxillofacial Surgery Department*  
*Diplomate, American Board of Oral and Maxillofacial Surgery*

***Eligibility:*** Active duty Navy oral and maxillofacial surgeons who are Board-eligible and plan to take Part II (Orals) in 1994. Other military and Federal agency dentists who will be taking Part II are invited to enroll in the lectures and study session portion of the course. Candidates are strongly encouraged to attend the oral pathology course held the preceding week.

***Course Summary:*** Special lectures along with group and individual study sessions will provide the well-prepared candidate with advice on how to pass the final phase for Board certification. A mock oral Board examination will precede the course on Saturday, February 5.

***Anticipated Learning Outcomes:*** After completing this review, you should be able to

- demonstrate strategies and skills in taking a comprehensive oral examination
- verbalize effectively your knowledge of oral and maxillofacial surgery principles

**Continuing Education Credit:** Max hrs 35, AGD Subj Code 310

## ENDODONTICS

February 14-18, 1994

Quota 48

Director:

*Captain JW Hutter, DC, USN; BS, DMD*  
*Chairman, Endodontics Department*  
*Diplomate, American Board of Endodontics*

**Eligibility:** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** The ever-increasing emphasis on preservation of teeth for the restoration and maintenance of oral health provides impetus for endodontic clinicians, researchers, and manufacturers to find more effective diagnostic and treatment methods, better endodontic equipment and materials, and more accurate means of treatment evaluation. The result has been the introduction to the dental profession of many new techniques, instruments, and devices to improve the practitioner's ability to provide better, faster, safer, and more biologically sound endodontic diagnosis and treatment. This course is designed as a state-of-the-art learning experience. It will emphasize the following major subject areas:

1. Pulp and periradicular histology, physiology, and pathosis.
2. Diagnosis and treatment planning of pulpal and periradicular pathoses.
3. Diagnosis and management of endodontic emergencies and traumatic injuries to the dentition and supporting structures.
4. Management of fascial space infections of odontogenic origin.
5. Radiographic technique and interpretation, isolation of the treatment area, evaluation of healing, retreatment of cases that fail to heal, and bleaching of discolored teeth.
6. Access, instrumentation, and obturation of the root canal system.
7. Surgical root canal treatment.
8. Diagnosis and management of endodontic/periodontic and endodontic/pedodontic cases.
9. Restoration of the endodontically treated tooth.
10. New endodontic instruments, devices, and materials.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- describe the histology, physiology, and pathosis of the pulp and periradicular tissues
- describe methods of diagnosing nonsymptomatic and symptomatic diseases of the pulp and periradicular tissues
- describe the fascial spaces and the management of infections of odontogenic origin
- describe the buccal object rule and various radiographic techniques for ensuring accurate endodontic diagnosis, proper treatment, and valid evaluation of healing
- describe appropriate treatment modalities for endodontic emergencies
- describe appropriate methods for evaluating, diagnosing, and managing traumatic injuries to the dentition
- describe appropriate techniques for isolating the treatment field

- describe appropriate techniques for accessing and instrumenting the root canal system
- describe appropriate techniques for obturating the root canal system
- describe appropriate techniques for bleaching discolored teeth
- describe clinical techniques for performing a simple surgical root canal treatment
- describe methods of diagnosing and managing endodontic/periodontic cases.
- describe methods of diagnosing and managing endodontic/pedodontic cases
- describe methods for evaluating the healing of endodontically treated teeth
- describe clinical techniques for retreating endodontically treated teeth that have not responded to previous therapy
- describe appropriate methods for restoring the endodontically treated tooth
- describe some of the new endodontic instruments, devices, and materials available for clinical use

**Continuing Education Credit: Max hrs 32, AGD Subj Code 070**

## **REVIEW FOR THE ORAL MEDICINE BOARD EXAMINATION (ORALS)**

**February 24-25, 1994**

**Quota: 8**

**Director:**

*Commander CL Hatch, DC, USN; BS, DMD  
Chairman, Oral Diagnosis Department  
Diplomate, American Board of Oral Medicine*

**Eligibility:** Federal agency dentists and a limited number of civilian dentists taking the Oral Medicine Board Examination in 1994.

**Course Summary:** This course will help Board-eligible candidates prepare for a comprehensive oral examination by reviewing all areas of oral medicine: medicine, pharmacology, radiology, and case presentations. Each area will be presented in a mock Board format. For oral medicine, case histories will be presented and candidates will answer questions about patient management and recommended treatment modalities. In the area of pharmacology, candidates will be examined on the modes of action of drugs and their interaction. Radiology will be presented by having candidates make differential diagnoses from radiographs and discuss accepted standards of radiation technique and safety. Cases with interesting oral medicine implications will be presented and candidates will be asked to comment on diagnostic techniques, therapeutics, and medical management. After each mock board, the examiners will discuss the rationale for the questions and accepted answers. A candidate's approach to and performance during oral examination will also be critiqued.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- demonstrate your knowledge of clinical, laboratory, and radiographic diagnoses
- demonstrate an understanding of the physiology of disease and the accepted therapy for the full range of lesions
- demonstrate strategies and skills in performing a comprehensive oral examination
- demonstrate the knowledge and competency to be certified as a Diplomate of the American Board of Oral Medicine

**Continuing Education Credit: Max hrs 14, AGD Subj Code 736**

## GENERAL PROSTHODONTICS

February 28 - March 4, 1994

Quota: 40

Directors:

*Captain JW Simpson, DC, USN; DDS*  
*Prosthodontics Department*  
*Diplomate, American Board of Prosthodontics*

*Commander RJ Leupold, DC, USN; BS, DDS*  
*Prosthodontics Department*  
*Diplomate, American Board of Prosthodontics*

**Eligibility:** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** This is a 5-day combined course in fixed and removable prosthodontics designed primarily for the general practitioner. Emphasis will be placed on a review of basic concepts and techniques required in providing high-quality clinical treatment. Topics to be covered will be diagnosis, treatment planning, tooth preparation, impression procedures, occlusal concepts, ceramometal restorations, esthetics, and RPD design. Current concepts, materials, and techniques will also be discussed. The course will include class participation in both treatment-planning seminars and laboratory exercises.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- survey and design a variety of conventional RPDs
- diagnose and treat patients requiring routine removable and fixed partial dentures
- demonstrate current concepts of tooth preparation and impression making

**Continuing Education Credit:** Max hrs 35, AGD Subj Codes 610; 670

## DIAGNOSIS AND TREATMENT STRATEGIES IN OCCLUSION

March 21-25, 1994

Quota: 28

Director:

*Captain PM Wiley, DC, USN; BA, DDS, MS*  
*Comprehensive Dentistry Department*  
*Diplomate, Federal Services Board of General Dentistry*  
*Diplomate, Certifying Board of General Dentistry*

**Eligibility:** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** This course will clarify the relationships between TMJ mechanics, jaw movement, occlusal

schemes, and the functional needs of patients. Through clinically oriented discussions and clinical laboratory exercises, participants will focus on the application of occlusal concepts, principles of articulation, recording and transferring hinge-axis and interocclusal records, and manipulation of semiadjustable articulators. Participants will have the opportunity to perform an occlusal assessment. Case studies in occlusal management will be presented by the staff and by participants themselves working in small groups. Each participant will apply an understanding of the process of occlusal adjustment by equilibrating mounted stone casts. In addition, participants will fabricate and deliver stabilization splints and anterior deprogrammers for each other. This highly participative course is designed for the general dentist who wants to understand a subject that mystifies many and for specialists who would like to re-explore occlusal concepts. Participants need to bring with them accurate casts of their own dentition articulated in centric relation on a semiadjustable articulator, eye protection, and a lab coat.

***Anticipated Learning Outcomes:*** After completing this course, you should be able to

- define and understand terms commonly used in the field of occlusion
- relate the determinants of mandibular movement to occlusal morphology
- rationalize the sequencing of occlusal treatment
- apply occlusal concepts to interpret and analyze the occlusion of a patient
- select for each patient an occlusal scheme appropriate to his or her restorative needs and existing physiology
- take advantage of the capabilities and limitations of Hanau semiadjustable articulators in constructing dental prostheses
- recognize when and how to perform occlusal adjustments on patients
- equilibrate a malocclusion
- fabricate and deliver an anterior deprogrammer and understand the rationale for its use
- fabricate and deliver a stabilization splint and understand the rationale for its use

**Continuing Education Credit:** Max hrs 35, AGD Subj Code 180

## **ORAL AND MAXILLOFACIAL SURGERY**

**April 4-7, 1994**

**Quota: 50**

Director:

*Captain DP Golden, DC, USN; DDS*

*Chairman, Oral and Maxillofacial Surgery Department*

*Diplomate, American Board of Oral and Maxillofacial Surgery*

***Eligibility:*** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

***Course Summary:*** This course will update the general practitioner's knowledge of exodontia and minor oral surgery procedures, and provide an understanding of recent advances in major oral and maxillofacial surgery in the areas of trauma, preprosthetic and orthognathic surgery. Lectures and discussions will emphasize patient evaluations, surgical complications, medical emergencies, and the management of infections. A practical approach will be stressed.

***Anticipated Learning Outcomes:*** After completing this course, you should be able to

- recognize common surgical complications and describe their management and prevention
- describe the management of common medical emergencies
- discuss the surgical and antibiotic management of odontogenic infections
- recognize parameters that may require referral to an oral and maxillofacial surgeon

**Continuing Education Credit:** Max hrs 28, AGD Subj Code 310

## **ORAL DIAGNOSIS/ORAL MEDICINE/ORAL RADIOLOGY**

**April 11-15, 1994**

**Quota: 50**

**Director:**

*Commander T Weaver, DC, USN; BS, DMD  
Oral Diagnosis Department  
Diplomate, American Board of Oral Medicine*

***Eligibility:*** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

***Course Summary:*** This course will enhance skills essential for the collection of diagnostic data in a systematic, logical fashion. Special emphasis will be placed on obtaining medical and dental histories, vital signs, review of organ systems, physical diagnoses, the head and neck examination, laboratory studies, the indications for and limitations of radiographic evaluations, definitive or differential diagnoses of oral lesions, and the dental management of selected medically compromised patients. An additional day will be added to present the fundamental principles of radiation physics and radiation biology as they apply to dentistry, as well as a meaningful approach to radiographic interpretation.

***Anticipated Learning Outcomes:*** After completing this course, you should be able to

- analyze data obtained from the patient history as well as clinical and radiographic examinations
- obtain a general idea of the patient's physical status through a comprehensive extraoral examination
- discuss treatment planning modifications of selected medically compromised patients
- discuss a variety of helpful, miscellaneous diagnostic procedures
- formulate differential diagnoses of common oral lesions
- evaluate the significance of preexisting medical conditions
- describe how x-rays are generated and used
- employ state-of-the-art radiation protection measures
- select radiographic techniques appropriate to various clinical needs
- differentiate between normal and abnormal radiographic findings

**Continuing Education Credit:** Max hrs 35, AGD Subj Code 736



## ADVANCED PROSTHODONTICS

**April 18-21, 1994**

**Quota: 40**

Directors:

*Captain MW Richards, DC, USN; DDS, MAEd  
Chairman, Prosthodontics Department  
Diplomate, American Board of Prosthodontics*

*Captain DE Wilcox, DC, USN; BA, DMD  
Prosthodontics Department  
Diplomate, American Board of Prosthodontics*

**Eligibility:** Federal agency dentists with interest and experience in prosthodontics and a desire to update their level of skills and knowledge of new materials and techniques. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** Topics covered in this course will include advanced or new areas in the discipline of prosthodontics. Selected topics will be taken from the following: new dental materials, precision attachments, dental implants, new ceramic systems, esthetics, advanced treatment planning, and full-mouth rehabilitation. The course will include clinical demonstration sessions, and class participation in both treatment-planning seminars and laboratory exercises.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- discuss current concepts in advanced prosthodontic therapy
- become familiar with new dental materials that impact on the specialty of prosthodontics
- diagnose problems and develop treatment plans for patients requiring complex prosthodontic treatment

**Continuing Education Credit:** Max hrs 28, AGD Subj Codes 610; 670

## ADVANCED OSSEOINTEGRATION IMPLANT TECHNIQUES

**April 25-27, 1994**

**Quota: 55**

Director:

*Lieutenant Commander SA Synnott, DC, USN; BS, DDS  
Prosthodontics Department  
Diplomate, American Board of Prosthodontics*

**Eligibility:** Active duty Navy dentists who have completed formal residency training and the Basic Course in Osseointegration Implant Principles. Other Federal agency dentists will be accepted on a space-available basis.

**Course Summary:** This course on advanced osseointegration implant treatment of the totally and partially edentulous patient will present the latest techniques in implant dentistry. The course is designed for practitioners with prior implant experience who desire to broaden the scope of their practice. Specific areas to be emphasized



include management of the severely atrophic edentulous arch, implant site preparation, esthetic single tooth and multiunit restorations, immediate implant placement following extractions, the cleft palate defect, and the radiation patient. The course will emphasize a coordinated team approach, diagnosis, treatment planning, and patient treatment. Laboratory sessions will be provided for specific surgical and prosthodontic techniques.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- treatment plan complex implant cases involving the severely atrophic edentulous arch, the immediate implant, esthetic implant placement, and the partially edentulous arch
- understand the importance of surgical/prosthodontic interrelationships in patient treatment, specifically, esthetic site preparation
- understand the use of new implant technology

**Continuing Education Credit: Max hrs 21, AGD Subj Code 316**

## **RECRUIT TO RETIREE: MAINTAINING DENTAL HEALTH**

**May 2-5, 1994**

**Quota: 30**

**Director:**

*Surgeon Commander (D) DCC Alexander, RN; BDS, MSc, MGDS, DDPHRCS  
(Royal Navy exchange dental officer, Research Department)*

*Diploma of Membership in General Dental Surgery of the Royal College of Surgeons of England  
Diploma in Dental Public Health of the Royal College of Surgeons of England  
Diplomate, American Board of Dental Public Health*

**Eligibility:** Federal agency dentists only. The course is ideally suited to those dental officers involved in the management of resources and/or holding (or anticipate holding) preventive dentistry officer billets.

**Course Summary:** This course will seek to outline methods to promote dental health through an understanding of the wider issues involved in the disease-health axis. Current trends in the changing patterns of dental diseases will be examined together with the demographic representation of the Navy to determine the needs for dental care. Alternative strategies for the delivery of care will be discussed so that the dental needs of the serviceman/woman may be satisfied appropriately throughout the naval career from recruit to retiree. Participants will be expected to contribute fully to the many discussion exercises and group work, and will formulate preventively oriented strategies to take back to their commands.

**Anticipated learning outcomes:** After completing this course, you should be able to

- describe the changes in the distribution of the common oral diseases, and discuss the implications for the future of dental care delivery
- characterize the demographic distribution of the Navy, and understand the implications for the provision of dental care
- describe the social, behavioral, nutritional, and other etiologic factors that predispose individuals and groups to oral diseases

- discuss the opportunities and limitations for the control of the common oral diseases in a military environment
- describe etiologic factors that may be modified to prevent or control disease, proposing methods for the controls of those factors within a military environment
- understand the concept of need as it applies to dental health, and set priorities for care
- understand the current scientific basis for nutritional counseling and dental health education
- formulate preventively oriented strategies for the promotion of career-long dental health for individuals and groups within the military
- give advice on the selection of the most appropriate restorative materials for the high-risk caries patient
- operate a risk-assessment system so that individuals at high risk of developing disease may be identified and receive the most appropriate dental care
- explain the value of communication and counseling in modifying behavior so that dentally harmful habits may be controlled
- describe the potential of the preventive dentistry officer in a Navy dental clinic

**Continuing Education Credit: Max hrs 28, AGD Subj Code 131**

## **PEDIATRIC DENTISTRY AND ORTHODONTICS FOR THE GENERAL DENTIST**

**May 9-12, 1994**

**Quota: 24**

**Directors:**

*Captain CA Bookwalter, DC, USN; BA, DDS, MS  
Chairman, Pediatric Dentistry Department  
Diplomate, American Board of Pediatric Dentistry*

*Captain LC Neilans, DC, USN; DDS, MS, MAEd  
Chairman, Orthodontics Department  
Specialty Advisor for Orthodontics*

**Eligibility:** Federal agency dentists only. (One week before the course begins, civilian dentists can telephone to see if space is available for civilian enrollment.)

**Course Summary:** This 4-day course is designed for the active duty general practitioner whose duties involve providing comprehensive and/or emergency dental care to pediatric dental patients from birth to the early teens. Selected topics in interceptive/preventive orthodontics as well as minor tooth movement rationale and techniques will also be presented. Among the subjects covered will be preventive regimens and techniques for both the caries-free infant and the patient with uncontrolled caries; restorative techniques for conservative carious lesions in child patients at low risk for caries to advanced lesions in the high-risk patient; and pulp therapy related to restorative treatment and traumatized teeth, both primary and permanent. Techniques for the management of the child patient's behavior in the dental setting will be presented, as well as criteria for selecting the appropriate technique for specific circumstances. The development of a comprehensive diagnosis and treatment plan for the child patient will serve as the foundation for the specific treatment modalities presented during the course. In addition to lectures, attendees will participate in small group, hands-on, technique laboratory sessions.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- complete a comprehensive examination on a child patient, including ordering appropriate radiographs
- develop a comprehensive treatment plan, including ordering appropriate consultations
- discuss the management of pediatric dental emergencies, trauma, and infection
- prescribe pharmacotherapeutics for infection and pain control, SBE prophylaxis, and caries prevention
- discuss the indications and techniques for space management
- fabricate a lower lingual holding arch (LLHA), a band-and-loop space maintainer, and a Hawley retainer
- describe the etiology and prevention of nursing bottle caries syndrome
- discuss the full range of patient management techniques and their acceptability by parents
- discuss the rationale and technique for using pit and fissure sealants
- discuss pulp therapy for primary and permanent teeth
- discuss endodontic therapy for primary teeth
- diagnose developing malocclusions and make appropriate orthodontic referrals
- discuss pediatric dental restorative techniques, complete a basic cephalometric tracing, and prepare primary molars for restoration with stainless steel crowns
- discuss serial extraction indications, contraindications, and prerequisites
- discuss cephalometric radiographs and complete a basic cephalometric analysis
- discuss problems of eruption/interception according to eruption of the permanent dentition
- discuss interactions between orthodontics and restorative dentistry
- become familiar with some basic orthodontic mechanics and materials
- discuss treatment mechanics for molar uprighting and extrusion
- discuss the pros and cons of functional appliances

**Continuing Education Credit:** Max hrs 28, AGD Subj Code 430

## **REVIEW FOR PROSTHODONTIC BOARD EXAMINATION (PHASE II)**

**May 16-18, 1994**

**Quota: 6**

**Director:**

*Captain JW Simpson, DC, USN; DDS*

*Chief, Fixed Prosthodontics*

*Diplomate, American Board of Prosthodontics*

**Eligibility:** Active duty Navy prosthodontists who are Board-eligible and plan to take Phase II of the American Board of Prosthodontics in 1994.

**Course Summary:** This course will help Board-eligible candidates prepare for Phase II of the American Board of Prosthodontics Examination. Candidates will bring their patient history and treatment record narrative, plus mounted casts and photographs of their Phase II, Part 1, patient presentation. An oral examination covering the patient presentation, general prosthodontic principles, and related dental sciences will be given by examining

teams consisting of two Diplomates of the American Board of Prosthodontics. The candidate will also bring two oral and slide presentations meeting the requirements of Phase II, Part 2, of the examination. After each mock board, the examiners and other prosthodontic staff members will critique case documentations, verbal presentations, and the candidate's approach to and performance during the oral examination. A written examination conforming to the new requirements of Phase II, Part 3 will be presented.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- demonstrate strategies and skills in taking a comprehensive oral examination
- make improvements and corrections as needed in your patient documentation and oral presentation
- present and defend American Board of Prosthodontics patient presentations successfully

**Continuing Education Credit:** Max hrs 21, AGD Subj Code 610; 670

## **DENTAL IMPLANT LABORATORY TECHNIQUE COURSE FOR DENTAL TECHNICIANS**

**May 23-25, 1994**

**Quota: 10**

*Director:*

*Lieutenant Commander SA Synnott, DC, USN; BS, DDS*

*Prosthodontics Department*

*Diplomate, American Board of Prosthodontics*

**Eligibility:** Active duty Navy enlisted laboratory technicians who have completed formal Basic and Advanced Dental Laboratory "C" School and qualified civilian laboratory technicians employed by Navy dental laboratory activities.

**Course Fee:** \$250.00

**Course Summary:** This 3-day course is designed primarily for laboratory technicians with no prior implant experience who desire to broaden the scope of their laboratory practice. It will present the latest techniques in implant dentistry using the Branemark System laboratory procedures. A hands-on laboratory workshop will be conducted with special emphasis on correct design and precision construction of the standard implant-supported fixed bridge, Estheticone bridge, and the Ceraone single-unit restoration. A demonstration will be held for the Ceraone ceramic cap restoration. All materials for wax-up and castings will be provided.

This course can be convened to meet the needs of the requesting activities added new through specific arrangements with the course director.

**Anticipated Learning Outcomes:** After completing this course, you should be able to

- construct an implant-supported standard three-unit bridge
- fabricate a three-unit porcelain bridge casting for Estheticone
- fabricate a casting for a Ceraone restoration

**Continuing Education Credit:** Max hrs 21



